

2 PREFACE

We suggest that you spend approximately 1/2 an hour reading this owner's manual, before you operate your NSU 1200 C for the first time.

Then place the owner's manual in your glove compartment for quick reference.

We have divided this small aid into 5 main groups as follows.

1. **Operating instructions**
2. **Maintenance and care**
3. **Do-it-yourself tips**
4. **Technical data**
5. **Optional extras**

The **list of contents** is an aid in finding each main group, each description and each tip quickly.

Safety was not only considered in designing the NSU 1200 C, rather the close network of AUDI NSU Workshops throughout the world also means safe driving.

Service Operations

Your NSU 1200 C will fulfil the high expectations you place on the car, if it is not only operated properly, but receives correct maintenance and care too.

Service operations and their intervals are listed in the enclosed Maintenance Record.

Technical development is of main concern to the AUDI NSU AUTO UNION AG. It is for this reason that technical information and illustrations are subject to change without prior notice.

We welcome you as our customer and wish you many happy motoring miles.

AUDI NSU AUTO UNION Aktiengesellschaft

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Always make sure . . .

that only

"Genuine AUDI NSU Spare Parts" or
"Genuine AUDI NSU Exchange Units and Parts"
are used in your car.

The warranty could become invalid, should your car be altered or modified by unauthorized persons or if non-approved parts are installed.

Your authorized AUDI NSU Dealer only issues spare parts and exchange units which:

- a) are of the latest engineering stand,
- b) are precision made and
- c) guarantee AUDI NSU quality.

Select AUDI NSU Special Accessories when personalizing your car.

We recommend

1. for increased safety

Seat belts
Towing line
Fire extinguisher
Warning flares
Fog lights
Repair kits
First aid kits
Warning signs
Headrests

2. for individual comfort

Fiber mats
Roof luggage racks
Spare fuel can
Radio
Luxury velour mats
Ski holders
Mud guards
Steel sunroof

3. for expert car care

"Brilliant" high gloss car
polish with and without silicone
Tar remover
Special interior cleaner
(for upholsteries, seat covers,
leatherette and foils)
Car shampoo
Car preservative
Car wax
Chrome cleaner
Chrome wax
Special spot remover

Please allow our authorized
AUDI NSU Dealer to inform
you about our complete range
of special accessories.

AUDI NSU

Contents

Operating instructions

Maintenance and care

Do-it-yourself tips

Technical data

Optional extras

The doors of the NSU 1200 C can be locked and unlocked from the **outside** with the universal key.

Outside door operation

- **Unlocking – driver's side:**
turn the key to the left and remove it (Fig. 3).
- Front passenger's side: turn the key to the right and remove it.
- **Open the door by pressing in the lock** (Fig. 4).
- **Locking – driver's side:**
turn the key to the right and remove it.
- Front passenger's side: turn the key to the left and remove it.

Inside door operation

- **Open the door by pulling door opener "t" (Fig. 6) toward the rear.**
- **Close the door by pulling it inward on the armrest.**

To prevent entrance into the vehicle through the front passenger door and still be able to open it from the inside, do not unlock it with a key from the outside.

Window operation

Front passenger window

- **Open the window by turning winder "k" (Fig. 5) in an anti-clockwise direction.**
- **Close the window by turning winder "k" in a clockwise direction.**

The window on the driver's side can be lowered and raised in the same manner.

Vent window operation

Vent window on front passenger's side

- **Open the window by turning knob "h" (Fig. 6) in an anti-clockwise direction.**
- **Close the window by turning knob "h" in a clockwise direction.**

The vent window on the driver's side can be opened and closed in the same manner.

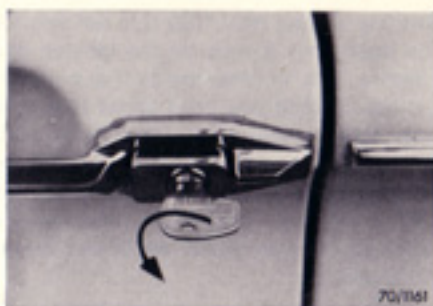


Fig. 3

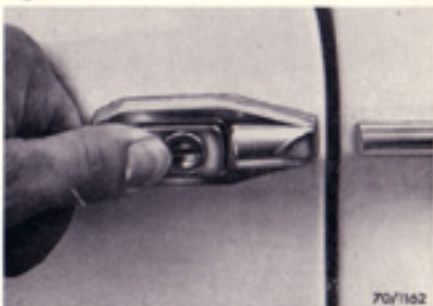


Fig. 4



Fig. 5



Fig. 6

Interior light 14
Interior mirror 14

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Optional extras

1. The steel sunroof

can be opened and closed by means of the handle located above the sun-visor in the roof headlining.

■ **Open** the sun roof by pulling the handle out of the recess and turning it in an anti-clockwise direction. Push the handle back up in the recess.

■ **Close** the sun roof by pulling the handle out of the recess and turning it in a clockwise direction. Push the handle back up in the recess.

2. Front disc brakes

3. 155 SR 13 SL radials

4. Headrests (Fig. 92)

These safety-type headrests can be adjusted in height as well as inclination. Remove the headrests before reclining the front seat seatbacks completely.

5. Seat belts

Your NSU has provisions for installing seat belts. They are indicated in Figs. 93 and 94 by circles. They can be made accessible by cutting holes in the carpet with a pointed, sharp knife.



Fig. 91



Fig. 92



Fig. 93



Fig. 94

The key of your NSU 1200 C is not only for the doors, but is also for the ignition and steering lock. In other words it is a universal key. Should you need spare keys, you can obtain them from your AUDI NSU Dealer who has entered the key number on the first page of this manual to be on the safe side. We recommend keeping the spare key in your wallet, which you always have with you.



Fig. 2

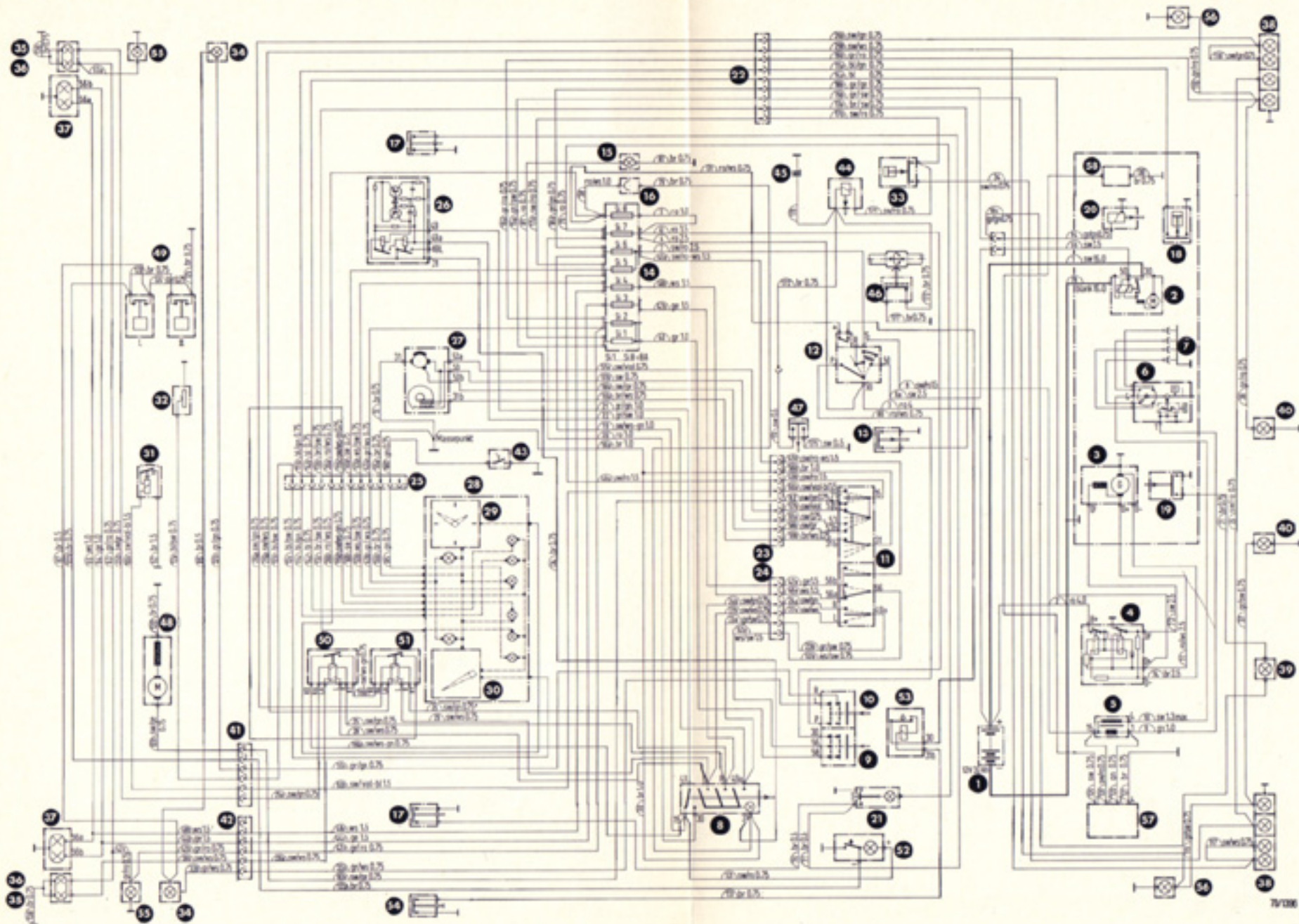


Fig. 90

The combination switch lever allows the driver to operate the turn signals, flasher, low beams, horn and the windshield wipers while driving, without removing his hands from the steering wheel.

All light operations are accomplished with left lever 4 of the combination switch and the horn and two-speed windshield wipers are set in operation with right lever 6 (fig. 8).



Fig. 8

2 Fig. 7 - Overnight lights, Headlights

Overnight lights

- Press switch to the first stop.

Headlights

- Press switch to the second stop.

3 Fig. 7 - Parking lights, left

- Press switch to the first stop.

Fig. 7 - Parking lights, right

- Press switch to the second stop.

4 Fig. 7/8 -

Turn Signals, Flasher, Low beams
left lever of combination switch

Turn signal (green warning light) Fig. 7/9

- left = lever down
- right = lever up

Flasher

- Pull lever.

Low beams

(blue high beam warning light) Fig. 7/9

- Low beams = lever in normal position
- High beams = press lever forward

5 Fig. 7 - Emergency warning lights (only valid for Germany and Switzerland)

With the emergency warning lights switched on all four turn signals flash on and off at the same time.

- Press switch button. System functions regardless of position of ignition key.

- A warning light can be found in operating button 5 in addition to turn signal warning light 22 (Fig. 7).

6 Fig. 7/8 - Horn, Windshield wipers (right lever of combination switch)

Horn

- Pull lever.

Windshield wipers

- 1st speed (slow) = press lever down to first stop.
- 2nd speed (fast) = press lever all the way down.

7 Fig. 7 - Windshield washer pump

- Press in the rubber button to spray water on to the windshield via jets.

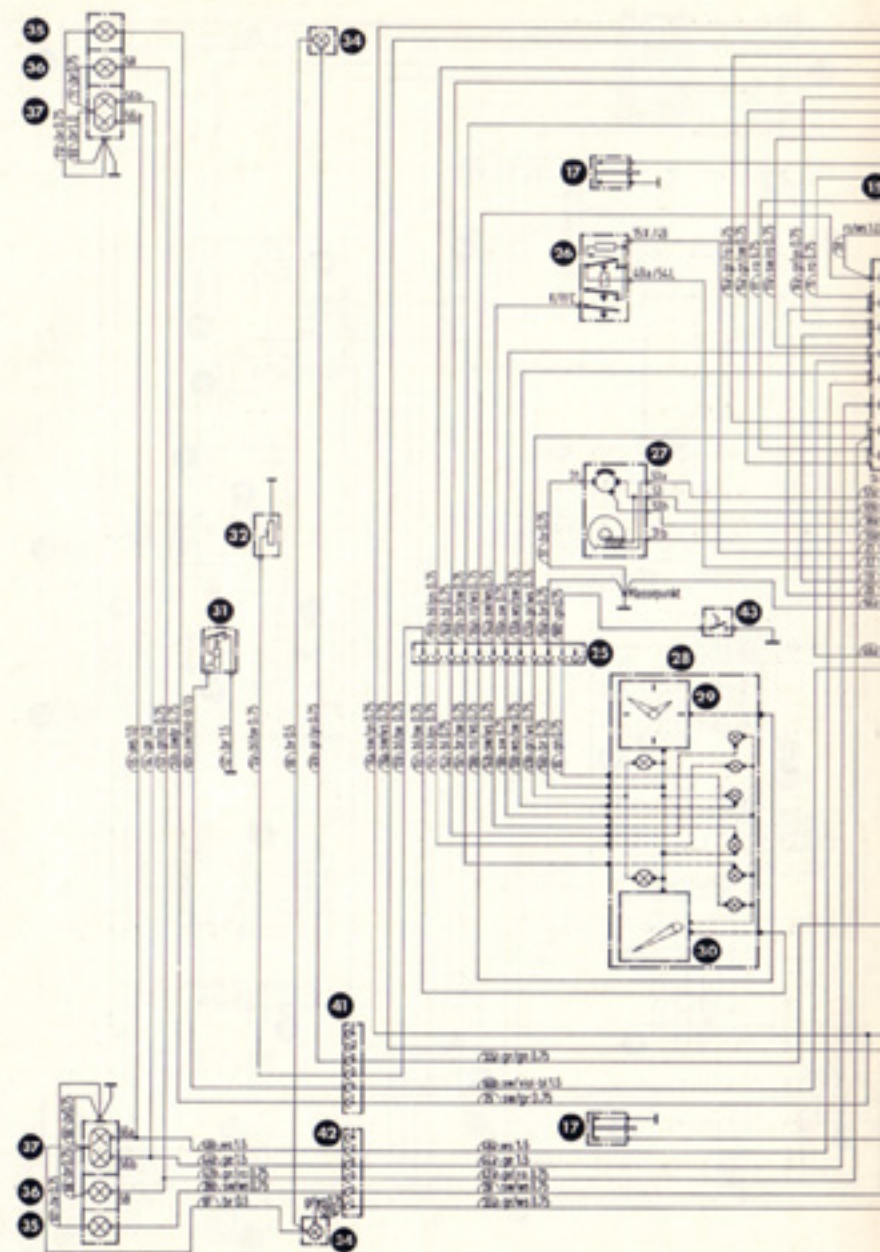


Fig. 89

Study the **instrument panel** of your NSU 1200 C carefully before starting up the car for the first time.

Acquaint yourself with the operating levers, instruments and warning lights.

Observe the instrument panel while driving from time to time, because of the warning lights and to check the vehicle speed.

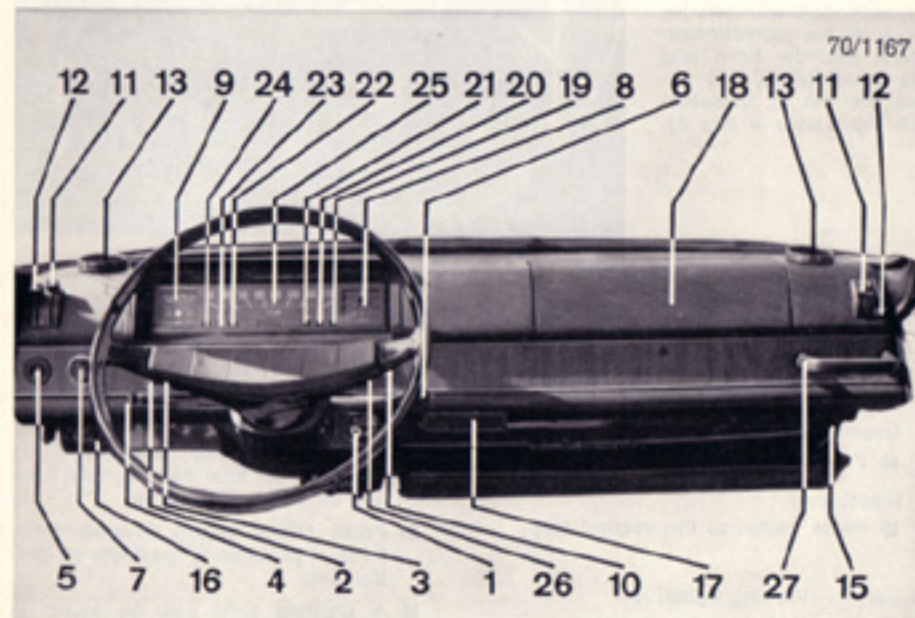
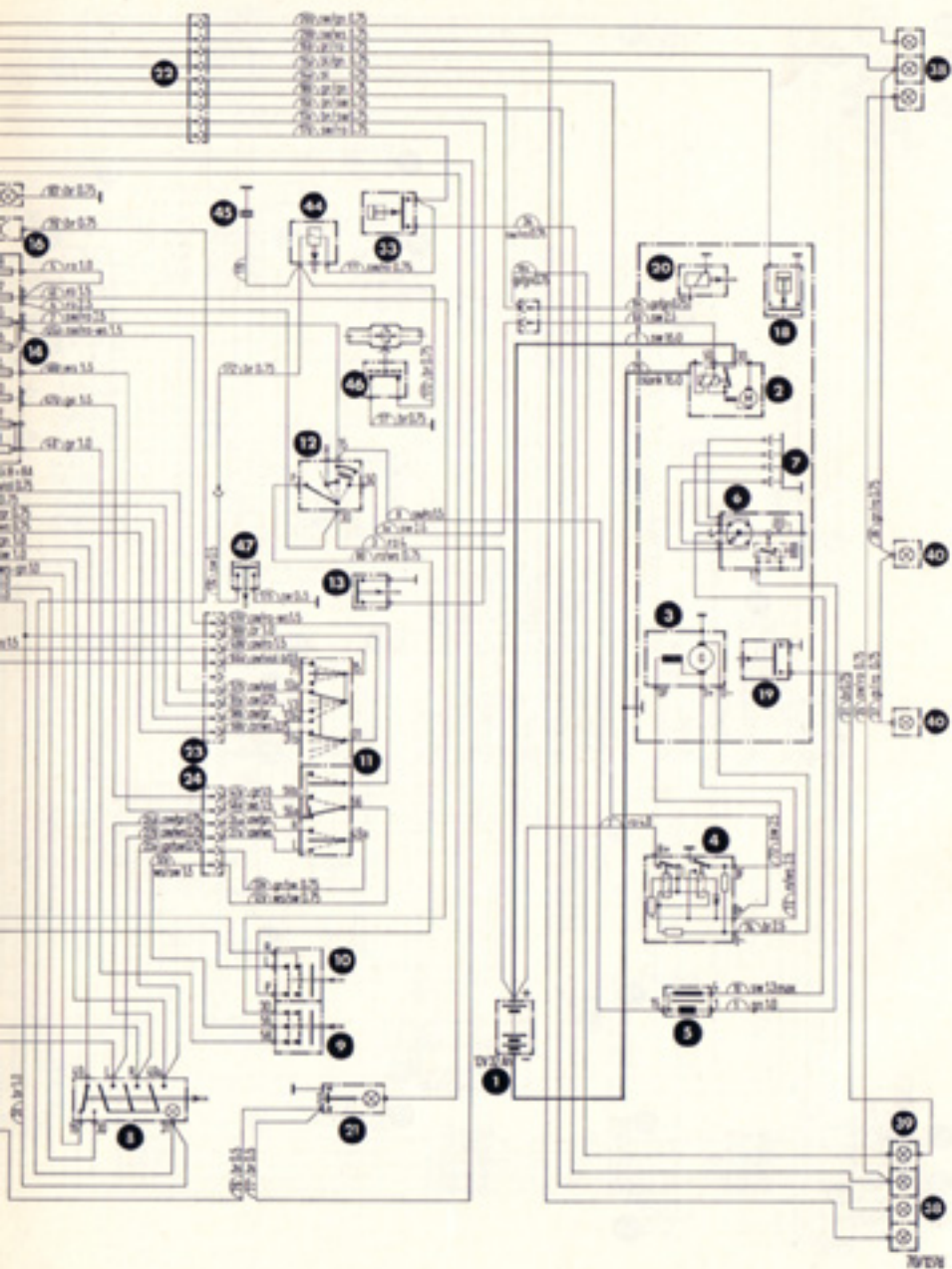


Fig. 7

- | | |
|---|---|
| <ul style="list-style-type: none"> 1. Ignition/steering lock (17) 2. Light switch, overnight lights – headlights (10) 3. Parking light switch (10) 4. Turn signal, flasher, low beam switch (10) 5. Emergency warning light switch (10) 6. Horn, windshield wipers (10) 7. Windshield washer (10/27) 8. Clock (11) 9. Fuel gauge (11) 10. Socket (11) 11. Heater lever (12) 12. Fresh air lever (12) 13. Fresh air nozzle (12) 14. Warm air lever (12) 15. Tank cap lid release (16) 16. Trunk lid release (22) | <ul style="list-style-type: none"> 17. Ashtray (14) 18. Glove compartment (15) 19. Generator charge warning light, red (11/29) 20. Oil pressure warning light, green (11) 21. High beam warning light, blue (9–11) 22. Turn signal warning light, green (9–11) 23. Choke warning light yellow (9–11) 24. Transmission fluid temperature warning light, green (11/46) 25. Speedometer (11) 26. Fuse strip (15) 27. Emergency grip <p>Note! The numbers in () indicate the pages on which a detailed description can be found.</p> |
|---|---|

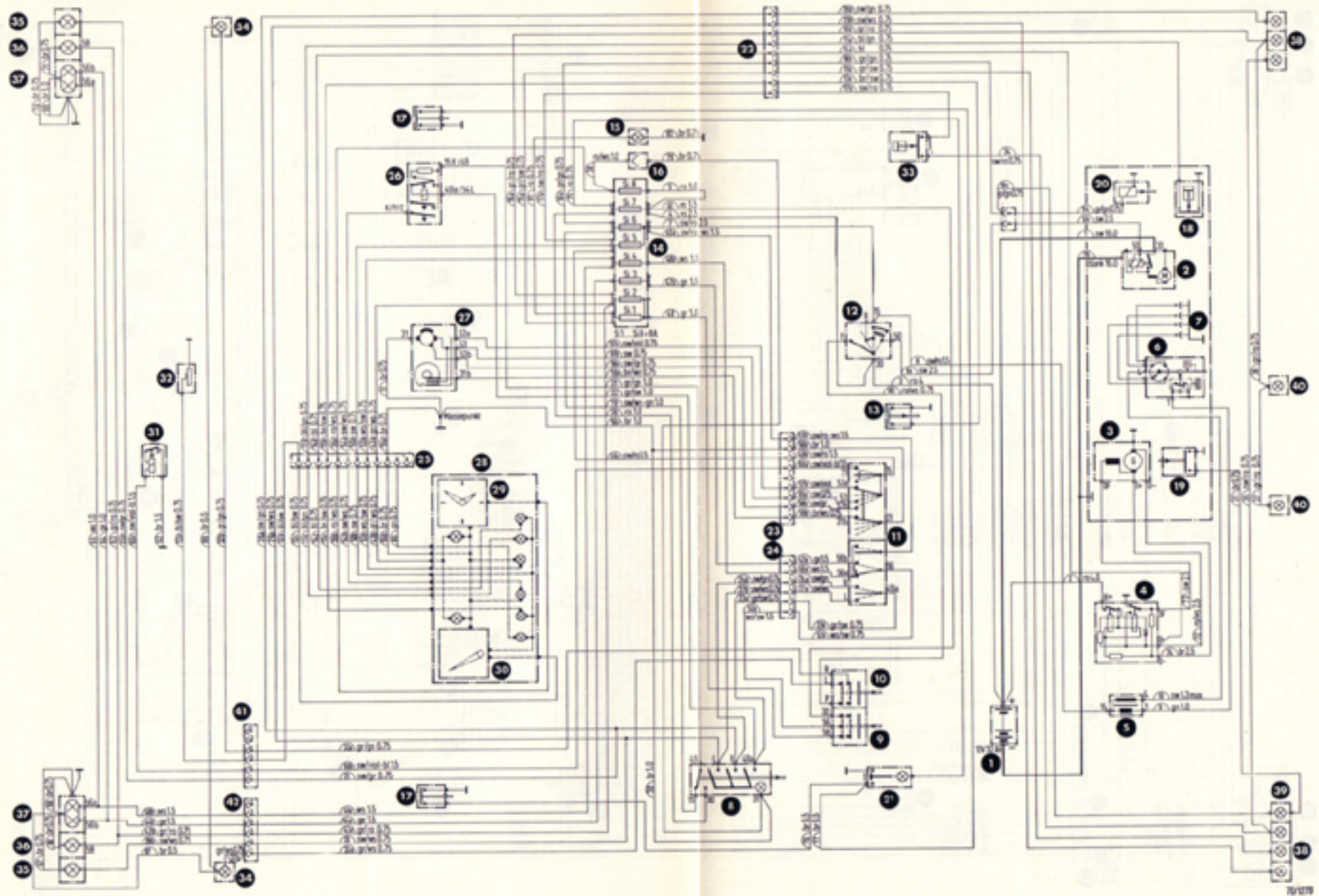


Fig. 86

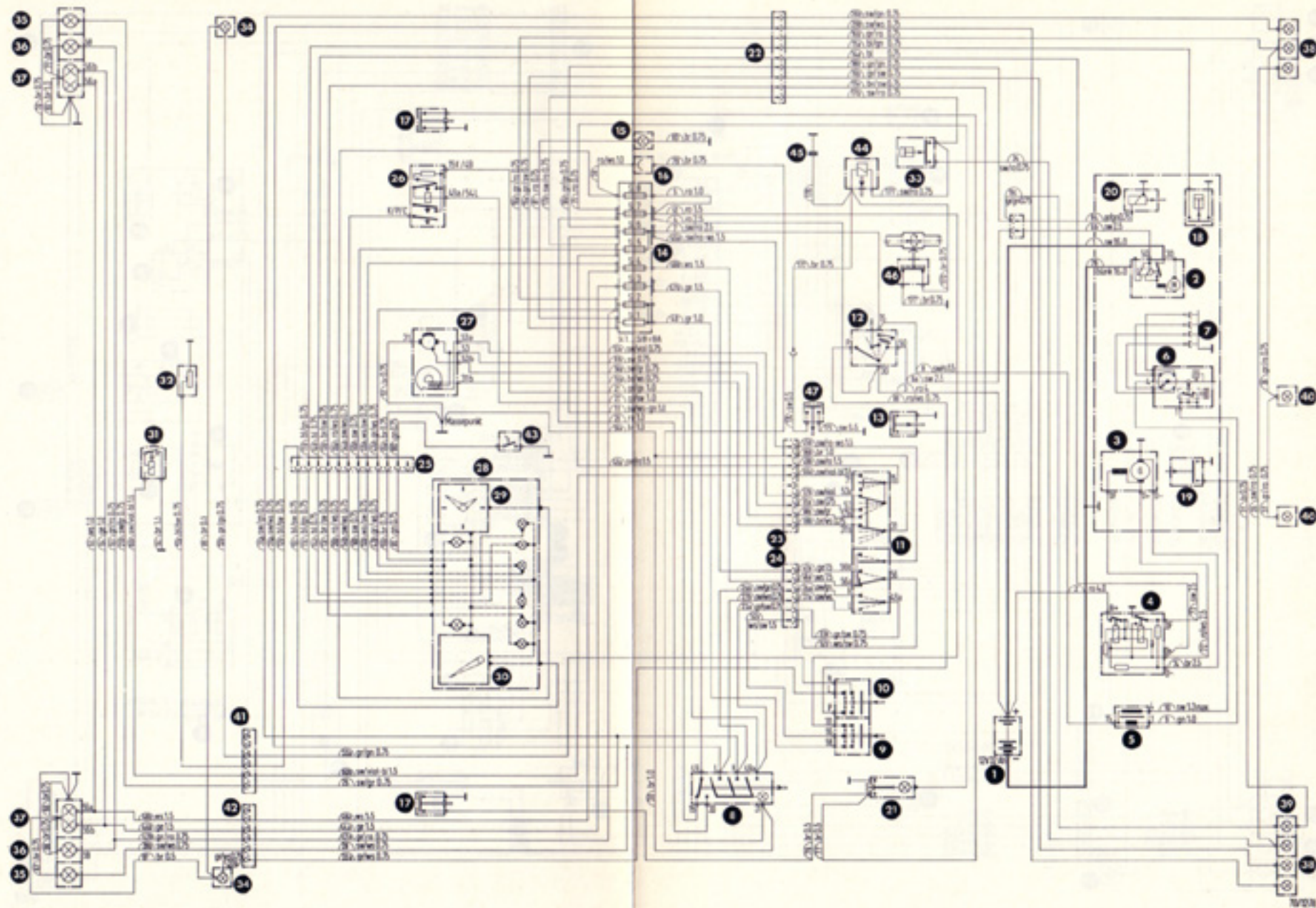


Fig. 89

Heating system. Fresh air ventilation in your NSU 1200 C will mean comfortable driving even on hot summer days. During the cold winter months the inside of the car can be comfortably warm. You can adjust the temperature to meet your own demands.

"Transair" ventilation is a further advantage of our heating system. Stale air is extracted from the passenger compartment via two channels below the rear window by means of the engine blower. This guarantees excellent ventilation, regardless of driving habits, without having to open a window.

Ⓜ Fig. 11 — Heater air lever

- Open — pull lever toward rear seat.
- Close — push lever forward.



Fig. 11

Ⓜ Fig. 12 — Heater air distributor

The total volume of heater air can be directed against the windshield or into the footwell.

Windshield

- Slide lever (11) upward.

Footwell

- Slide lever (11) downward.
- Push in vent (11a) — Fig. 13.



Fig. 12

Ⓜ Fig. 12 — Fresh air

- Open — Place lever in upper position.
- Close — Place lever in lower position.

Ⓜ Fig. 12 — Fresh air jet, which can be turned as desired to direct air stream.

Ⓜ Fig. 11 — Choke (see page 19).



Fig. 13

| Location | Bulb | Page |
|----------------------------------|------------------|--------|
| Headlight | HAS 12 V 45/40 W | 10/38 |
| Overnight light | HL 12 V 4 W | 10/38 |
| Front turn signal | K 12 V 18 W | 10/39 |
| Rear brake light and turn signal | K 12 V 18 W | 10/38 |
| Tail lights | L 12 V 5 W | 38 |
| Licence plate light | L 12 V 15 W | 38 |
| Backup light | L 12 V 5 W | 14/39a |
| Interior light | W 12 V 2 W | 39 |
| Instrument light | W 12 V 2 W | 11/39 |
| Charge warning light | W 12 V 2 W | 11/39 |
| High beam warning light | W 12 V 2 W | 11/39 |
| Turn signal warning light | W 12 V 2 W | 11/39 |
| Choke warning light | W 12 V 2 W | 10/39 |
| Emergency warning light | W 12 V 2 W | 10/39 |
| Parking light | W 12 V 2 W | 11/39 |

Automatic transmission oil temperature warning light

W 12 V 2 W 11/39

Electrical

| | |
|------------------|---|
| Battery | 12 V 32 Ah |
| Starter | Bosch EF (L) 12 V 0.7 HP |
| Generator | Bosch EG (L) 14 V 25 A 25 |
| Ignition coil | Bosch E 12 V |
| Distributor | Bosch IFUR 4 |
| Ignition timing | 4° bldc (static) without emission control |
| Ignition timing | 3° bldc (static) with emission control |
| Ignition control | Centrifugal and vacuumatic |
| Dwell angle | 50° + 3° |
| Spark plugs | Bosch W 225 T 2 BERU 225/14/3 |
| Electrode gap | 0.7 mm (0.027 in.) |

Key to wiring diagrams

- | | |
|----------------------------------|--------------------------------------|
| 1 Battery | 34 Parking light |
| 2 Starter | 35 Turn signals |
| 3 Generator | 36 Side markers |
| 4 Governor | 37 Headlights |
| 5 Ignition coil | 38 Turn signal - tail - brake lights |
| 6 Distributor | 39 Backup lights |
| 7 Spark plugs | 40 Licence plate light |
| 8 Emergency warning light switch | 41 Bulkhead plug (black) |
| 9 Light switch | 42 Bulkhead plug (white) |
| 10 Parking light switch | |
| 11 Steering column switch | |
| 12 Ignition/Starter switch | |
| 13 Choke warning light switch | |
| 14 Fuse box | |
| 15 Glove compartment light | |
| 16 Socket | |
| 17 Door contact switch | |
| 18 Oil pressure switch | |
| 19 Backup light switch | |
| 20 Carburetor cutoff valve | |
| 21 Interior light | |
| 22 Connection I | |
| 23 Connection II | |
| 24 Connection III | |
| 25 Connection IV | |
| 26 Flasher | |
| 27 Wiper motor | |
| 28 Combination instrument | |
| 29 Clock | |
| 30 Fuel Gauge | |
| 31 Horn | |
| 32 Fuel tank gauge | |
| 33 Brake light switch | |

NSU 1200 C Automatic

- 43 Oil temperature warning light switch
- 44 Clutch solenoid switch
- 45 Solenoid switch condenser
- 46 Idle switch
- 47 Clutch switch

NSU 1200 C Automatic (USA)

- 48 Windshield washer pump
- 49 Twin circuit brake warning light switch
- 50 Front turn signal relay
- 51 Rear turn signal relay
- 52 Twin circuit brake warning light
- 53 Buzzer
- 54 Door contact switch for buzzer
- 55 Front side marker lights
- 56 Rear side marker lights
- 57 Tachometer relay
- 58 Cutoff valve

Instruments and warning lights. Pay special attention to the warning lights. They are an aid in checking non-visible operations. Two warning lights in the instrument panel should come on as soon as the ignition key is turned to position "2".

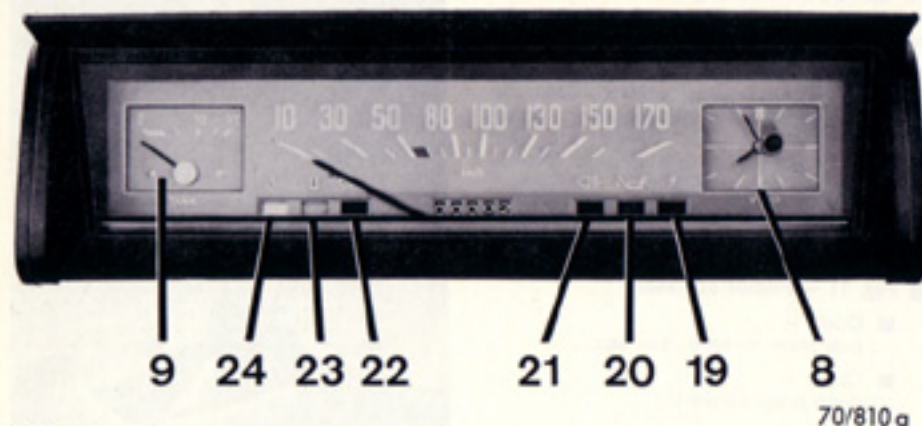


Fig. 9

- ⑨ Fig. 9 - Generator charge warning light, red.
- ⑩ Fig. 9 - Oil pressure warning light, green
Both of these lights must go out as soon as the engine runs.
- ⑪ Fig. 7/9 - Electric clock
Set the time by pressing in the button and turning it in either direction as required.
- ⑫ Fig. 7/9 - Fuel gauge
(fuel tank capacity: 44 liters or 9½ Imp./ 11½ US gals.)
Reserve (striped range):
approx 6 liters or 1¼ Imp. / 1½ US gals.
Gauge marked to indicate:
"Reserve, ¼, ½, ¾ and full".
- ⑬ Fig. 10 - Socket to take test or map light.
- ⑭ High beam warning light (blue)
- ⑮ Turn signal warning light (green)
- ⑯ Choke warning light (yellow)
- ⑰ Transmission fluid temperature warning light (green)



Fig. 10

The interior mirror is the anti-glare type and is an aid in observing the traffic behind you.

The sun visors can be turned down as necessary. As an extra feature for the ladies, the front passenger sun visor is fitted with a vanity mirror (Fig. 16).



Fig. 16

The interior light (Fig. 17) is not too bright, but yet effective. The light switch can be set at three different positions.

- Center switch position – light switched off.
- Left switch position – light switched on.
- Right switch position – light first comes on when a door is opened.



Fig. 17

The ashtray (Fig. 18) below the instrument panel is accessible to both the driver and front passenger.

- Pull out the ashtray on its lower edge for use.
- Empty the ashtray after pressing down the retaining spring and pulling out the ashtray.
- Replace the ashtray by placing it in guide **a** and sliding it back into position; the spring engages automatically.



Fig. 18

Back seat ashtrays (Fig. 19)

- Pull out an ashtray on its lower edge for use.
- Empty the ashtray after pressing it down and pulling it out.
- Replace the ashtray by placing the upper part of it in the holder and sliding it back into position.



Fig. 19

Performance and consumption

| | |
|--------------------------|--|
| Average fuel consumption | 8.8 l/100 (reg. grade fuels) (26.7 US or 32.0 Imp mpg.) |
| Top speed | 145 km/h (90 mph) |
| Weight / HP ratio | 12.9 kg (28.4 lbs.) / HP |
| Acceleration, 0–50 mph | 9.4 sec |
| 0–60 mph | 14.3 sec. |

Hill climbing ability with 2 persons in %:

| | |
|----------|-------|
| 1st gear | 60% |
| 2nd gear | 28.5% |
| 3rd gear | 16.5% |
| 4th gear | 10.5% |

Performance and consumption:

| | |
|--------------------------|--|
| Average fuel consumption | 9.2 l/100 km (reg. grade fuels) (25.5 US or 30.6 Imp mpg) |
| Top speed | 140 km/h (87 mph) |
| Weight / HP ratio | 13 kg (28.2 lbs) / HP |
| Acceleration, 0–50 mph | 12.8 sec. |
| 0–60 mph | 20.5 sec. |

Hill climbing ability with 2 persons in %:

| | |
|-----------|-----|
| 1st range | 60% |
| 2nd range | 34% |
| 3rd range | 22% |

Dimensions:

| | |
|------------------|----------------------|
| Overall length | 4000 mm (157.47 in.) |
| Overall width | 1500 mm (59.05 in.) |
| Height, unloaded | 1390 mm (54.72 in.) |
| Wheelbase | 2440 mm (96.06 in.) |
| Track, front | 1280 mm (50.39 in.) |
| rear | 1248 mm (49.13 in.) |

Weights:

| | |
|---------------------------------------|----------------------|
| Curb weight | 720 kg (1587 lbs.) |
| Curb weight (Automatic) | 715 kg (1573 lbs.) |
| Total permissible weight | 1130 kg (2491 lbs.) |
| Payload | 420 kg (926 lbs.) |
| Payload (Automatic) | 415 kg (915 lbs.) |
| Max. front axle load | 510 kg (1124.4 lbs.) |
| Max. rear axle load | 620 kg (1366.9 lbs.) |
| Max. trailer load (without brakes) | 390 kg (859.8 lbs.) |
| Max. trailer load (with brakes) | 750 kg (1653.5 lbs.) |
| Max. trailer load, braked (Automatic) | 500 kg (1102 lbs.) |

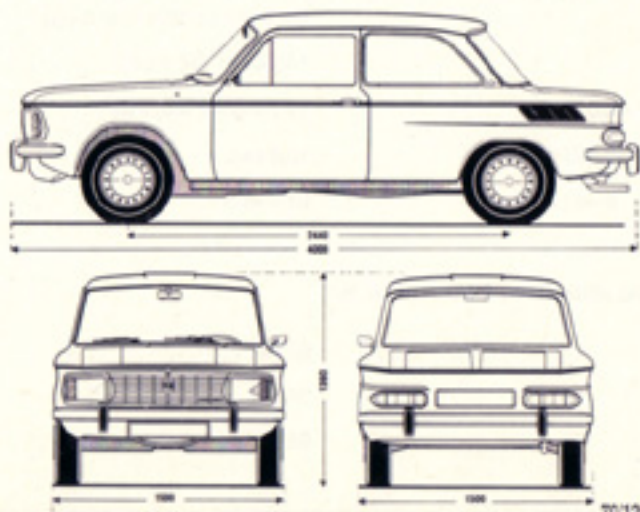


Fig. 87

70/1205

The seats of your NSU 1200 C are especially comfortable, because comfortable, posture-correct seats are important whether in your own living room, in a theater or in your car. Our designers were aware of this in designing the interior of the car. In addition to excellent upholsteries and a posture-correct design, the driver can adjust the seat until it is most comfortable and favourable for him.

Seat adjustment

- Press lever (A) downward — Fig. 14
- Slide the seat backward or forward, as necessary, with the weight of your body.
- Release lever (A) and the seat will lock in place automatically.

Seatback adjustment

- Pull lever (B) — Fig. 14.
- Use your back to press the seatback to a comfortable position.

Folding seatback forward

- Lift lever (C) and fold the seatback forward (Fig. 14).
- The seatback engages automatically when it is pushed back again.

Reclining front seats are standard. Another advantage for long vacation trips.

Reclining seats (Fig. 15)

- Place both front seats as far forward as possible before reclining their seatbacks.
- Lift lever (B, Fig. 14) and recline the seatback to a comfortable position.

Raising seatback

- Lift lever (B) and the seatback will spring back automatically.



Fig. 14



Fig. 15

Before you start up your car it is recommended to check the following items in addition to oil and fuel levels.

1. Is the fuel tank full?
 2. Is the oil level correct?
 3. Have you checked the brakes?
 4. Is there sufficient fluid in the windshield washer container?
 5. Do the lights and horn function correctly?
 6. Does the tire pressure meet specifications?
 7. Are the rear view mirrors adjusted correctly?
 8. Has the brake fluid level changed?
- Is everything okay?

If not, please read the following pages.

Regular grade fuel

- Release the fuel tank cap by pulling knob 15 (Fig. 23) below the instrument panel on the right hand side.
- Turn the tank cap 1/2 turn in an anti-clockwise direction and remove it (Fig. 24).
- Close the fuel tank by placing the cap in position and turning it in a clockwise direction until it engages automatically.



Fig. 23



Fig. 24

Manual transmission

| | |
|-----------------|---|
| Type: | Fully synchronized, 4-speed |
| Ratios: | 1st gear 4.356:1 2nd gear 2.403:1 3rd gear 1.538:1 4th gear 1.100:1 Reverse 4.869:1 |
| Overall ratios: | 1st gear 16.482:1 2nd gear 9.098:1 3rd gear 5.819:1 4th gear 4.165:1 Reverse 18.429:1 |

Automatic transmission

| | |
|-----------------|---|
| Type: | Fully synchronized, 3-speed with torque converter |
| Ratios: | 1st range 2.995:1 2nd range 1.679:1 3rd range 1.095:1 Reverse 3.845:1 Final drive 3.786:1 |
| Overall ratios: | 1st range 11.339:1 2nd range 6.356:1 3rd range 4.146:1 Reverse 14.557:1 |

Steering

| | |
|-----------------------|---|
| Type: | Maintenance-free, self adjusting rack-and-pinion type |
| Ratio: | 15.8:1 |
| Track diameter: | 9.3 m (30.5 ft) |
| Turning circle: | 9.9 m (32.4 ft) |
| Steering wheel turns: | 3.2 from stop to stop |

Front axle

| | |
|------------------|---|
| Type: | Independent wheel suspension on trapezoidal wishbones with tie bar – maintenance-free |
| Suspension: | Progressively acting coil springs with transverse stabilizer |
| Shock absorbers: | Hydraulic, double-action |

Rear axle

| | |
|------------------|---------------------------------------|
| Type: | Independent, wishbone-type suspension |
| Suspension: | Progressively acting coil springs |
| Shock absorbers: | Hydraulic, double-action |

Brakes

| | |
|-----------------|--|
| Foot brake: | |
| Type: | Hydraulic drum brakes ATE Lockheed |
| Optional extra: | Hydraulic front disc brakes ATE Dunlop |
| Front brakes: | Drum dia. 200 mm (7.87 in.) Disc dia. 251 mm (9.88 in.) |
| Rear brakes: | Drum dia. 200 mm (7.87 in.) Lining width 40 mm (1.57 in.) |
| Handbrake: | Mechanical with cable acting on the rear wheels |

Wheels and tires

4.5 J x 13 H steel rims

6.15 — 13 / 155 — 13 snow tires with or without cleats

6.15 / 155 — 13 SL (tubeless) diagonal ply tires

155 SR — 13 SL (tubeless) radial ply tires

| Tire pressure | front | rear |
|--|-----------------------|-----------------------|
| Diagonal and radial tires with load up to 4 persons | 1.1 atm (15.8 psi) | 1.4 atm (19.9 psi) |
| at total permissible weight | 1.3 atm (18.4 psi) | 1.6 atm (22.7 psi) |

Add 0.2 atm (2.84 psi) for snow tires or if car is driven fast on long trips.

Glove compartment

The **glove compartment** is located in the instrument panel (Fig. 20) on the front passenger's side. The glove compartment is, of course, illuminated.

- Open the glove compartment by raising its lid.
- Close it by pressing down the lid.

The **shelf** below the instrument panel on the front passenger's side is not only ideal for the storage of maps, rather can also be used for snacks and other personal items necessary for a trip. (Fig. 20).



Fig. 20

To **replace a burnt fuse** it is not necessary to leave your NSU 1200 C. The fuse box 26 (Fig. 21) is located below the speedometer. You will appreciate this feature should it be necessary to replace a fuse on some rainy, stormy or cold day. A card in the fuse box lid tells you which fuse is for which consumer. (Fig. 22 — also refer to page 40).

Fig. 21 — Fuse box lid

- Open the fuse box by placing your finger in the opening in the lid, lifting the lid and removing it.
- Close the fuse box by pressing on the lid.

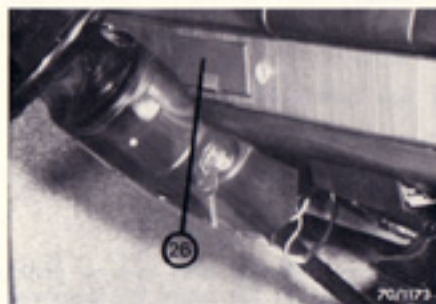


Fig. 21

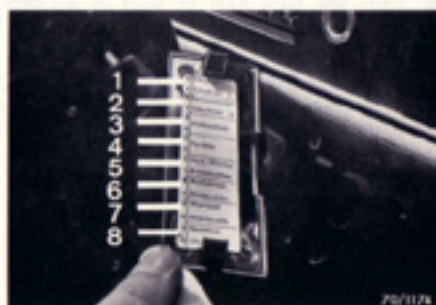


Fig. 22

Engine

| | |
|-------------------|--|
| Type: | 4-stroke, air cooled combustion engine |
| No. of cylinders: | 4 |
| Bore: | 75 mm (2.95 in.) |
| Stroke: | 66.6 mm (2.61 in.) |
| Capacity: | 1177 cc (718 cu. in.) |
| Compression: | 7.8:1 |
| Output DIN: | 55 HP at 5500 rpm |
| Output SAE: | 69 HP at 5500 rpm |
| Torque DIN: | 8.5 mkp at 2600 rpm |
| Torque SAE: | 61.5 ft. lbs. at 2600 rpm |
| Idle speed: | 950 ± 50 rpm |

Engine oil circulation

| | |
|-------------|---|
| Oil pump: | Forced oil circulation by means of gear-type pump |
| Oil filter: | Micro throw-away-type |

Fuel system

| | |
|---------------------|-------------------------------|
| Fuel delivery: | Diaphragm pump with screen |
| Fuel tank capacity: | 44 l (9.7 imp / 11.6 US gals) |
| Filler neck: | Front right fender |
| Fuel level control: | Electric gauge |

Carburetor

| | |
|--------------|---|
| Type: | Down draft with choke and delivery pump |
| Model: | Solex 34 PCI |
| Air cleaner: | Oil bath filter |

Clutch

| | |
|-------|---|
| Type: | Mechanically-operated, single disc, dry |
|-------|---|

The ignition/steering lock of the NSU 1200 C also includes the starter switch. The four switch positions are illustrated in the following figures. The ignition/steering lock itself is not marked to indicate the switch positions.



Fig. 25

Switch positions:

0

**Ignition / steering lock**

- Ignition is switched off.
- The ignition key can be removed.
- The steering is locked.

1



- Ignition is switched off.
- The ignition key cannot be removed.
- The steering is **not** locked.

2



- Ignition is switched on.
- The ignition key cannot be removed.
- The steering is not locked.

3



- Start up the engine by turning the key to the right. Release the key as soon as the engine runs.
- The key returns to position "2" automatically.

The transmission with 4 forward gears and 1 reverse gear is especially easy to operate. Sporty driving is possible by making full use of each gear.

Changing gears of a NSU 1200 C is no problem. Just release the accelerator pedal, floor the clutch, change gears, release the clutch and depress the accelerator pedal. This is all that is necessary to shift.

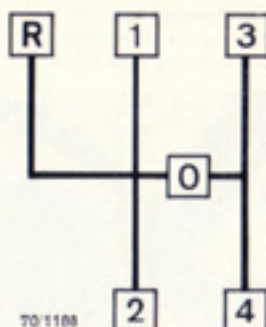


Fig. 27

- 0 = Neutral
- R = Reverse
- 1 = 1st gear
- 2 = 2nd gear
- 3 = 3rd gear
- 4 = 4th gear

Speed limits

Upshifting:

from 1st into 2nd gear
max. 30 km/h (18 mph)

from 2nd into 3rd gear
max. 60 km/h (37 mph)

from 3rd into 4th gear
max. 95 km/h (59 mph)

Downshifting:

from 4th into 3rd gear
not before 80 km/h (50 mph)

from 3rd into 2nd gear
not before 50 km/h (31 mph)

from 2nd into 1st gear
not before 25 km/h (15 mph)

Attention! Wait until the car stops moving before placing it in reverse.

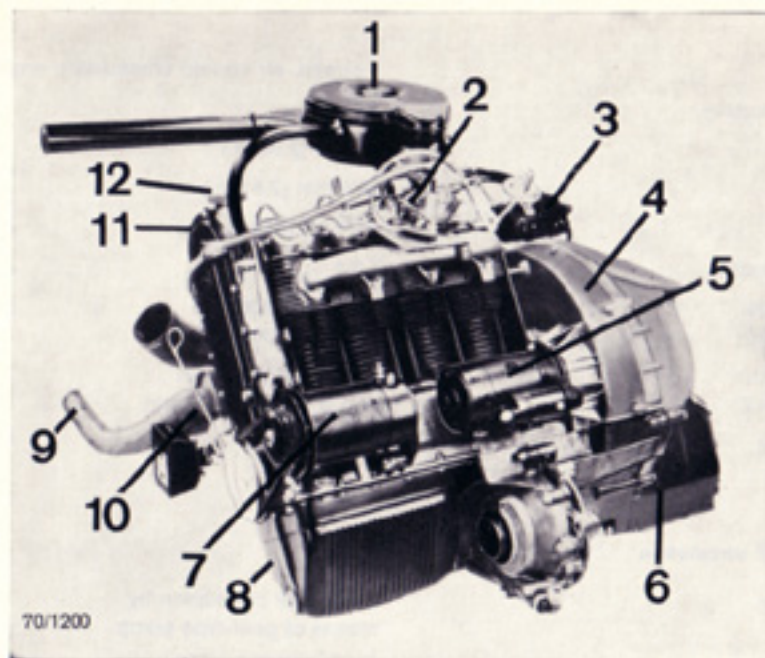


Fig. 86

- | | |
|--|-------------------|
| 1 Air cleaner | 6 Transmission |
| 2 Carburetor | 7 Generator |
| 3 Distributor | 8 Oil pan |
| 4 Clutch and fan (and torque converter for Automatic) | 9 Exhaust |
| 5 Starter | 10 Fuel pump |
| | 11 Camshaft drive |
| | 12 Oil filter cap |

Just what is a selector automatic?

It is called selector, because one can shift whenever and as often as one deems necessary. The selector automatic consists of a fully synchronized 3-speed transmission, a hydrodynamic torque converter and an automatic clutch.

The mechanism of the NSU 1200 C Automatic Transmission is similar to the manual 4-speed transmission, whereby 3rd gear of the automatic corresponds to 4th gear of the manual transmission in ratio.

The converter transforms the engine torque infinitely, as required to drive the car. Large volume torque for moving off and driving at low speeds — less torque as the road speed increases.

In addition, the power transmission of the torque converter is very closely related to engine speed. When the engine is running at idle a small amount of drive is transmitted, so that the car will "creep".

The foot or handbrake should be applied when choosing a range in a car which is stationary, if the engine is already running.



Fig. 28

- 1 — Brake pedal
- 2 — Accelerator pedal
- 3 — Handbrake lever
- 4 — Floor shift

The transmission with 3 forward ranges, one reverse range and neutral is exceptionally easy to operate! The torque converter not only allows moving off in any range, rather means continuous driving without shifting. We recommend the 2nd driving range for city driving. Sporty drivers can, of course, make full use of all ranges.

Attention!

Always pull on the handbrake after parking the NSU 1200 C Automatic.

Leatherette should be cleaned occasionally with water and a mild detergent. This will usually remove spots too. In severe cases use a special spot remover for leatherette.

Upholstery should be cleaned with a vacuum cleaner or a soft brush. Since the upholstery is treated with "scotchgard", small spots of oil and grease can be soaked up in a paper napkin. Use a spot remover for larger areas.

Minute damage to the body finish is not always unavoidable. This has nothing to do with the quality of the finish, rather is merely a result of the severe conditions to which a car is subject. It is important to touch up damage to the finish before it turns to rust. It is not necessary to visit a paintshop with your NSU 1200 C for such work. AUDI NSU have the correct materials on stock for this purpose:

Touch-up tubes and spray cans



Fig. 85

Special training is not required for excellent results.

Note! Remove rust with emery cloth before touching up the finish.

Minute damage

to the finish can be eliminated with touch-up tubes (Fig. 85). Your authorized dealer has all of the original colors on stock.

Somewhat larger damage

is to be touched up with spray cans (Fig. 85).

Condition

Starting difficulties

- Observe starting instructions.
- Engine does not start up in spite of starter functioning properly.
- Spark plugs.

- Wet plugs.

- Fuel pump malfunctions.

- No ignition spark.

Generator charge warning light comes on.

- Belt.
- Generator malfunctions.

Fuses

- Fuse burnt.

Car does not reach its top speed.

- Plugs misfire.

- Throttle only opens partially.

- Carburetor dirty.
- Lights malfunctioning.

- Fuses defective.
- Bulbs defective.

Correction

Page 19

Check if fuel tank is empty.
Check insulator for cracks.
Remove deposits of lead or replace plugs.
Page 41.

Dry plugs by blowing, replace defective plugs. Push in choke when starting and floor the accelerator pedal.

Pull off fuel hose at carburetor and place the end of the hose in a container of fuel. Start up the engine.

Heavy stream of fuel must be visible.
Check ignition cable connections,
replace plugs, check points (pages 41/42).

Check belt tension and condition (page 29).
Have it inspected at the nearest
AUDI NSU Dealer.

Check fuses, replace them or repair short circuit etc. causing damage (page 15).

Check plugs, replace them if necessary
(page 41)
Have adjustment carried out at
AUDI NSU Dealer.
Clean carburetor (page 35).

Check fuses (pages 15/40).
Replace bulbs (pages 38/39).

Condition

Clutch does not disengage.

- Contacts do not disengage, gearshift lever dirty.

- Ground strap from contact switch interrupted.
- Leak in vacuum system.

- Fuse 6 defective.

Clutch does not engage.

- Switch in gearshift lever malfunctions.

Transmission oil temperature warning light comes on.

- Transmission oil temperature too high (above 130° C or 266° F).

Correction

The car can be driven, if the driving range is chosen before starting up the engine.
Clean switch. Visit authorized dealer.

Replace ground strap.
Bring car to authorized dealer.
Check hose connections.
(AUDI NSU Dealer only).
Replace fuse 6 (page 15).

Clean switch by turning gearshift lever knob.
If necessary have switch adjusted at an authorized dealer.

Shift to next lower range.

Note! If you have to pull over for repairs, we recommend switching on the emergency warning lights. In some countries it is required by law to also set up a warning sign or flare, if the breakdown occurs on a main highway.

Your first trip in a NSU 1200 C

This car with its lively engine also provides optimum safety in the passenger compartment. It is easy to operate this car. You will appreciate the easy to operate gearshift lever. The floorshift and short amount of travel from gear to gear are reasons enough to tend toward sporty driving.

Running-in instructions for your NSU 1200 C

- Do not depress the accelerator pedal more than $\frac{1}{3}$ the distance when driving uphill; do not race the engine; shift more often than usual and downshift in time.
- Move off smoothly and avoid top speed driving.
- Check engine oil level often — it is recommended to do so each time you visit the gasoline station for fuel.
- Avoid sudden braking to prevent premature wear of the brake pads and linings.

Attention! Do not let the engine run in a closed garage!

Moving off**Starting the engine when cold**

(also in summer)

- Pull out the choke as far as possible.
- Floor the clutch.
- Turn the ignition key to position "3".
- Release the ignition key as soon as the engine starts.
- When the engine has been running for 2 to 4 seconds push back the choke until the engine just continues to run smoothly.
- Place in gear and drive away.
- As the engine temperature increases, push the choke further and further back until there is no hesitation and the car accelerates smoothly without the choke.
- Warning light 23, Fig. 7/9, is on as long as the choke is pulled out.

Starting the engine when warm

- Start the engine without pulling out the choke.
- If the engine does not start immediately slowly floor the accelerator pedal.
- Release the accelerator pedal as soon as the engine is running.

The trunk of the NSU 1200 C proves that it is not true that rear engine cars have little space for luggage.

The trunk offers 490 liters or 17,3 cu. ft. of space for your luggage.

- Open the lid by pulling the lever (Fig. 30), the lid pops up somewhat.



Fig. 30

- Press in the hock at the front of the lid (Fig. 31).

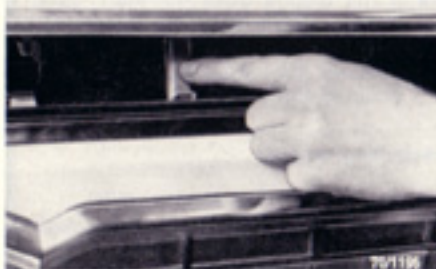


Fig. 31

- Lift the lid.
- Close the lid by placing both hands on the front edge of the lid and pressing it down until the lock engages (see arrow in Fig. 32).



Fig. 32

The data plate and the chassis number of your NSU 1200 C can be found under the trunk lid. This is important to know when having your car inspected or passing border controls.

Data plate

- Open the trunk lid.
- The data plate is located on the rear wall of the trunk (Fig. 33).

Chassis number

- Open the trunk lid.
- The chassis number is stamped in the rain water drain of the right front fender (Fig. 33).



Fig. 33

Engine number

- Open the engine lid (Fig. 35/36/37)
- The engine number is stamped in the engine block between the starter and cylinder (see arrow in Fig. 34).



Fig. 34

Towing another vehicle

is no problem for your NSU 1200 C. Fig. 82 shows the anchorage points for the towline. Experienced drivers claim that you have to learn how to tow a car. Actually any driver can do it. He must make sure, though, that the line is always tight. The difference in speed between the two cars must be compensated for by braking slightly (in the car being towed). This is very important.

Towing

- Attachment (Fig. 81), if your NSU 1200 C is being towed.
- Attachment (Fig. 82), if you are towing some other car.
- The laws of some countries state that a car may only be towed to the nearest workshop.
- When being towed always keep the ignition key in position "2".



Fig. 81



Fig. 82

Body

The finish of a car is continuously subject to severe conditions.

Severe weather conditions, dust and flying stones or gravel, exhaust gases and industrial contamination, tar, ice/snow removing materials and insects

are the main factors damaging the chrome and finish. For this reason a car should be washed as often as possible.

Washing a car is simple, but still one can easily make a mistake. Our recommendations will prevent this.

- Clean out the passenger compartment before washing the car.
- Do not wash the car under bright sunshine or if the engine compartment lid is hot.
- Do not use materials which could scratch the finish or soaps with high soda contents.
- If available, wash the car with running water (hose).
- Do not wipe off dust or dirt with a dry rag.

The finish must be treated to retain its resistance. We recommend polishing the car every 2 to 3 months. AUDI NSU polish covers pores in the finish and smooths the surface, which accounts for the high gloss.

Rubber parts of the car (e.g. rubber fender seals and window frames) should be treated with glycerine once a month. The rubber parts then remain pliable and retain their neat appearance.

Door window guides should be treated with talcum powder. This measure assures easy lowering and raising of the windows and long life for the guides.

Polishing the finish is different from merely waxing it. Polishing is only necessary, if the finish is in very poor condition. Then the top finish surface must be rubbed away to clear the good finish.

The procedure is the same as for waxing the car. However, still pay attention to the instructions on the container. The difference between treated and untreated finish can be seen with the naked eye. Water remains on an untreated finish. Whereby it forms itself into small drops on a treated surface (Fig. 83).



Fig. 83

Chrome and all other polished metal parts should be treated with a polish every 6 to 8 weeks. This is especially important in winter, because, materials used to remove the otherwise harmless snow and ice from streets are damaging.

Tar spots, which are practically unavoidable during the summer, are damaging to the finish and are hard to remove after a certain period of time. For this reason they should be removed with AUDI NSU Tar Remover as soon as possible.

Dead insects are easy to remove with water, in they are not allowed enough time to dry on the finish. If it is not possible to remove them immediately, use a mild detergent in the water.



Fig. 84

Shifting in the NSU 1200 C Automatic is no problem!

There is no clutch pedal to be floored. The clutching is done automatically, allowing you to concentrate fully on traffic.

When changing speed ranges, remember your left foot has no operation to carry out — there is not a clutch pedal.

Note: The clutch separates as soon as you touch the shift lever. Never touch the shift lever before you actually intend to select a different range.

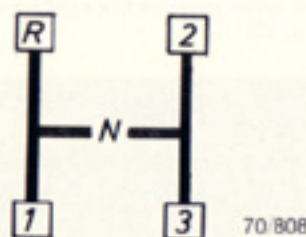


Fig. 29

Driving ranges (Fig. 29)

N = Neutral

R = Reverse

- 1 — 1st driving range
Moving off on steep hills
(from 0–54 km/h or 0–33 mph)
- 2 — 2nd driving range
City and mountain driving
(from 0–97 km/h or 0–60 mph)
- 3 — 3rd driving range
Country roads and highways
(up to 140 km/h or 87 mph)

- If the car is not moving when choosing a range, do not accelerate at the same time. The engine must run at idle when selecting a range (apply foot or handbrake).

Moving off

Starting the engine when cold

(also in summer)

- Make sure that the gear lever is in position "N" (neutral).

- Pull out the choke as far as possible.
- Turn the ignition key to position "3".
- Release the ignition key as soon as the engine starts.
- When the engine has been running for 2 to 4 seconds, push back the choke until the engine just continues to run smoothly.
- Select the driving range and drive away.
- As the engine temperature increases, push the choke further and further back until there is no hesitation and the car accelerates smoothly without the choke.
- Warning light 23, Fig. 7/9, is on as long as the choke is pulled out.

Starting the engine when warm

- Start the engine without the choke.
- If the engine does not start immediately, slowly floor the accelerator pedal.
- Release the accelerator pedal as soon as the engine is running.

Selecting ranges

- Release the accelerator pedal.
- Select a driving range (the clutch disengages automatically).
- Depress the accelerator pedal.

Stopping at traffic lights and crossings

- Release the accelerator pedal. Brake with the right foot until the car comes to a complete stop.
- As the case may be, choose a lower range for fast acceleration.

Stopping to park

- Release the accelerator pedal.
- Brake with the right foot until the car comes to a complete stop.
- Place in neutral.
- Switch off the ignition.
- Pull on the handbrake.

Service Operations should always be carried out on your NSU 1200 C at specified intervals. This gives your workshop the opportunity to trouble shoot your car and eliminate any problems before they are serious. A safety and cost reducing procedure. The AUDI NSU Service Organization is available throughout the world to service and repair your car.

You received 4 booklets when purchasing your NSU 1200 C.

One Owner's Manual,
one Maintenance Record (or booklet) and **two Lists of Service Networks**, in which all AUDI NSU workshops are listed and whose trained personal are available for your service throughout the world. We recommend reading the following pages should you prefer to service your NSU 1200 C yourself, or have it serviced, in spite of the thousands of trained mechanics (AUDI NSU) ready at your disposal. Repair work should always be carried out by trained AUDI NSU mechanics!

The winter season is especially hard on a vehicle and for this reason you should prepare your NSU 1200 C for the season in time. In most cases it is possible to winterize your car together with an inspection.

Pay attention to the following points when winterizing your car:

- Add **winter oil** to the engine, if multi-grade oil is not already in the engine.
- Check the **battery**.
- Check the **lights**.
- Check the **windshield wiper blades**.
- Add antifreeze and a cleaning solution to the **water of the windshield washer** (refer to container for mixing ratio).
- Fit **winter tires**.

It is especially important to treat chrome parts and the body paintwork with a polish during the winter season.

Ignition system

You probably have given some thought to the day when you might experience "ignition failure".

We recommend having trained AUDI NSU personnel look after the problem. Drink a cup of coffee as long as he is inspecting your car, since it does not take very long to check out the ignition system.

We can not program trouble, so that it could be that you might have to cope with ignition failure yourself someday.

First of all check the ignition cables (for damage), the spark plug caps, the spark plugs, the distributor cap and, if this does not help, the points too.

Inspecting ignition cables

- Check the connections at the distributor and spark plugs (Fig. 75).
- Replace defective cables.

Inspecting spark plugs

- Remove the spark plugs by turning them to the left with a special wrench included with the car tools (Fig. 76).
- Check the insulator for damage and the center electrode for deposits of lead.
- Clean the spark plugs. Do not use a steel brush or a hard item. Electrode gap: 0.7 mm or 0.027 in. (Fig. 22).
- Replace damaged plugs with new ones (refer to plug specifications on page 53).



Fig. 75

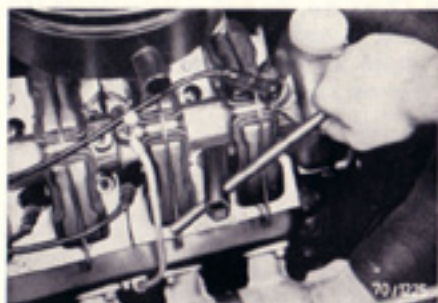


Fig. 76



Fig. 77

Distributor cap (v in Fig. 78).

- Inspect the distributor cap for damage, which would cause starting difficulties during the winter due to dampness or humidity.

Provisional adjustment of point gap

- Remove the spark plugs (Fig. 76). Remove the distributor cap **V**, unscrew and pull off the rotor **F** (Fig. 78).
- Check the gap with a feeler gauge (Fig. 79), if necessary set it to 0.4 mm or 0.015 in. (about twice the thickness of a post card) as follows.



Fig. 78



Fig. 79

- Place the car in gear and push the car forward slowly until the breaker arm **h** is positioned as high as possible (Fig. 80).
- Loosen set screw **a** and adjust the anvil **b** with a screwdriver until the gap is 0.4 mm or 0.015 in. (Fig. 80).
- Tighten set screw **a**.
- Do not touch the points with your fingers and keep them free of dirt and grease.

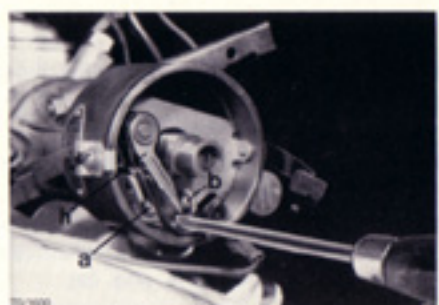


Fig. 80

Note

Each time an adjustment is made on the gap, the ignition must be reset by your AUDI NSU Dealer. He must also check the dwell angle.

Opening and closing engine lid

- Open the engine lid by pulling the release behind the driver's seat (Fig. 35).

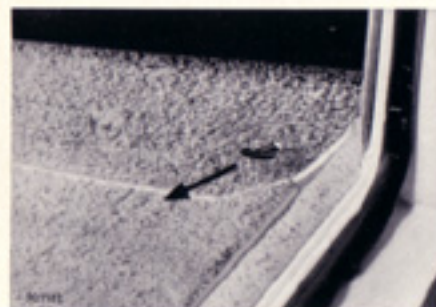


Fig. 35

- Lift the engine compartment lid until prop **S** snaps in place (Fig. 36).



Fig. 36

- Close the engine compartment by first lifting the lid slightly, pressing prop **S** (Fig. 37) downward and closing the lid until the lock engages.

**Summer - Winter Driving**

The following comments will serve to improve the heating and prevent the carburetor from icing up.

Air intake

Winter operation (air intake from inside) at temperatures below 10° C (50° F) from approx. the end of September/beginning of October.

- Remove boot **(F)** Fig. 37 a. from air cleaner neck **(S)**.
- Turn air cleaner neck towards the rear so that there is a gap 20-30 mm (0.8-1.2 in.) between boot **(F)** and neck **(S)** (see Fig. 37a).

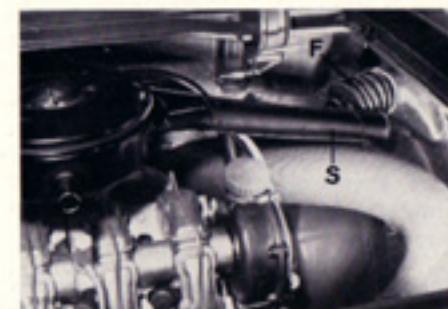


Fig. 37a

Summer operation (air intake from outside) at temperatures above 10° C from approx. the beginning of April

- Turn air cleaner neck **(S)** to the front and push into boot **(F)**. (See Fig. 37b).

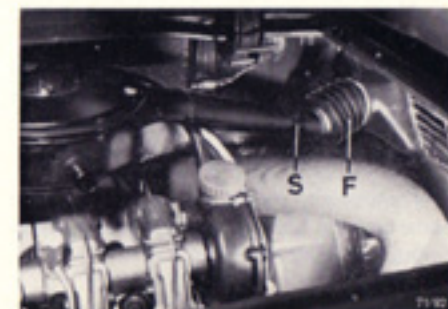


Fig. 37b

Your NSU 1200 C is fitted with 6.15/155 - 13 SL or 155 SR - 13 SL tires, which offer the utmost in

- Moving off
- Top speed driving
- Ground adhesion
- Long life

The NSU 1200 C driver does, of course, influence the life of the tires directly.

He can assure longer life by checking the tire pressure often and paying attention to our notes concerning wheel rotation on Fig. 43.

Tire pressure

Front: 1.1 atm or 15.6 psi
at load of 1-4 persons.

Rear: 1.4 atm or 19.9 psi
+0.2 atm or 2.8 psi
for all 4 tires at total permissible weight and long trips on highways.

During the winter season the tires should match the road conditions. Winter tires are available for this purpose. If winter tires are fitted, all four wheels - better yet all five wheels - should be fitted with them.

Normal winter tires are sufficient for slush and loose snow, whereby winter tires with cleats assure good and safe driving on icy or snowy streets.

You should not drive faster than 130 km/h or 80 mph, if your car is fitted with winter tires - with or without cleats.

Note!

Drive slower the first 300 km or 186 miles, if the car has winter tires with cleats.

Tire chains, which can be purchased from your AUDI NSU Dealer, are necessary in deep, loose snow - and are usually compulsory for mountain passes.

Snow chains mean reducing the top speed further yet, as is the case with winter tires or spikes. Pay attention to the instructions of the tire chain manufacturer.

Note!

In contradiction to winter tires, tire chains need only be fitted to the rear wheels.

The wheels must be rotated every 7,500 km or 4,660 miles together with the service or inspection operations. It is important to remember to change the tire pressure after rotating them, because the front wheels are rotated to the rear and vice versa.

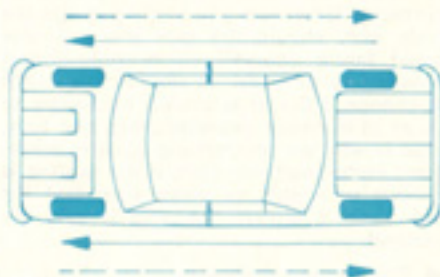


Fig. 43

Use this opportunity to check the wheel rims of your NSU 1200 C. The runout of damaged rims must be checked. Always remember that the NSU 1200 C is a fast car and for this reason the rims must not be out of true. In addition, all wheels must be statically and dynamically balanced. The tires are no longer safe, especially on wet road surfaces, if the tread height is less than 3 mm or 0.12 in. The tire is required by law (in some countries) to be replaced, if the tread depth is less than 1 mm or 0.04 in.

Front turn signals

- Open the trunk lid.
- Apply a little pressure to the housing next to the headlight to remove it from its holder (Fig. 72).
- Remove the bulb from its holder.

Licence plate lights

- Pull the housing out of the bumper. (Fig. 73).
- Press the springs on the left and right sides outward.
- Remove the baseplate and bulb holder.
- Remove the bulb from its holder.

Interior light

- Pry off the cover (Fig. 74)
- Remove the bulb from its holder.

Instrument and warning lights

- Pull the holder out of its housing.
- Remove the bulb from its holder by turning it to the left.

Parking lights

- Open the trunk lid.
- Pull out the bulb holder from the inside.
- Remove the bulb from its holder.



Fig. 72

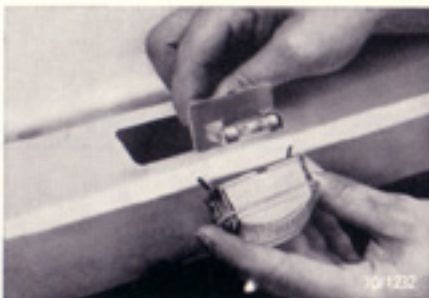


Fig. 73



Fig. 74

The fuse box is located, as already mentioned on page 15, below the speedometer. The following explanation of the fuses can also be found on the inside of the fuse box lid.



Fig. 74a

| Fuse No. | Ampere | Position |
|----------|--------|--|
| 1 | 8 | Overnight light Left tail light |
| 2 | 8 | Licence plate light Right tail light |
| 3 | 8 | Low beams |
| 4 | 8 | High beams |
| 5 | 8 | Automatic trans. oil temperature warning light |
| | | Horn Windshield wipers Brake lights |
| 6 | 8 | Backup lights Turn signals |
| | | Solenoid switch, clutch |
| 7 | 8 | Warning lights Interior light |
| 8 | 8 | Socket Clock |

Tools and the spare wheel

are located in the trunk (Fig. 38). Changing wheels is very easy, because AUDI NSU provide the appropriate tools. This means simple work, even for the ladies. Place the jack at the groove along both sides of the car. Make sure that the jack is positioned correctly! Otherwise you might damage the body and, should the jack slip out, you could injure yourself. It is not always possible to pick out an appropriate place to change a tire. It is usually necessary to do so at the most awkward place and time. That is why we recommend placing something underneath the jack, if the ground is uneven or rough, to make sure that the jack base is always flat. This is very important!

- Pull on the handbrake.
- Remove the tools and spare wheel from the trunk (Fig. 38).



Fig. 38

- Pry off the wheel cap with the tire iron (Fig. 39) and loosen the wheel nuts slightly (Fig. 40).



Fig. 39



Fig. 40

- Place the jack in position, jack up the car until the tire clears the ground (Fig. 41) and remove the nuts.



Fig. 41

- Remove the wheel (Fig. 42).
- Fit the spare wheel and tighten the nuts.
- Lower the car and retighten the nuts "crosswise".
- Replace the wheel cap.
- Place tools and punctured tire in the trunk.

Note!

Do not forget to have the punctured tire repaired and balanced at the nearest workshop.



Fig. 42

Lubrication is still necessary for a car like the almost maintenance-free NSU 1200 C. Your car does not have grease nipples. This is not a cost saving feature, rather the result of well thought out and proven engineering.

Door locks, door hinges, strikers and seat rails are parts of a car which cannot be lubricated automatically. That is why it is important for you to attend to this and to read the following instructions.

Door locks (Fig. 45)

- Open the door.
- Let oil – containing graphite – run into the lock cylinder.
- An optional method is to dip the key in graphite and to turn it in the lock many times.



Fig. 45

Door hinges (Fig. 46)

- Open the door.
- Remove dirt and dust.
- Oil the hinge pin.



Fig. 46

Strikers (Fig. 47)

- Open the door.
- Apply a light coat of oil to the door lock pins.
- Apply graphite to the sliding surfaces of the strikers.



Fig. 47

Seat rails (Fig. 48)

- Slide the front seat all the way forward.
- Lubricate the seat rails slightly (see arrow).
- Slide the seat back and forth several times.



Fig. 48

The headlight beams can be adjusted with the set screws provided for this purpose. If you prefer to do this yourself, pay attention to Figs. 66/67 and the following notes. Why do you want to go through all this trouble, though? Your AUDI NSU Dealer can carry out this work, should it really be necessary, a lot easier. He does not have to draw the horizontal and vertical lines to figure out the points of adjustment. He has special headlight beam adjustment equipment, which is exact and dependable. Take advantage of this modern equipment should it really be necessary to reset a beam some day.

Provisional headlight beam adjustment (low beam) Figs. 66/67

- Park the car on a level surface, 5 m or 16.4 ft. away from a wall and in "unloaded" condition, i. e. one person should sit in the rear seat.
- Switch on the low beams.
- Measure the distance from the surface to the center of the headlights.
- Draw a horizontal line on the wall, which is 5 cm or 1.97 in. lower than the dimension determined above (Fig. 66).
- Transfer the distance between the left and right headlights of the wall (Fig. 67).
- If the headlight beams are set correctly, the so-called light/dark area must be exactly on the horizontal line and go up at an angle to the right at the point of intersection of the horizontal and vertical lines (Fig. 67).
- The set screws (see arrows in Fig. 65) are accessible after removing the cover (Fig. 64).



Fig. 64

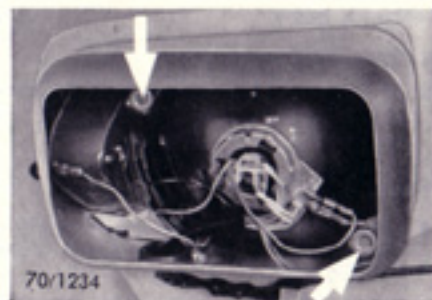


Fig. 65



Fig. 66

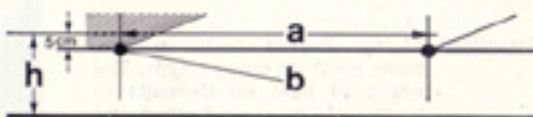


Fig. 67

- a – Distance betw. headlight centers: 98 cm or 38.58 in.
- b – Adjustment centers
- h – Distance betw. ground and headlight centers

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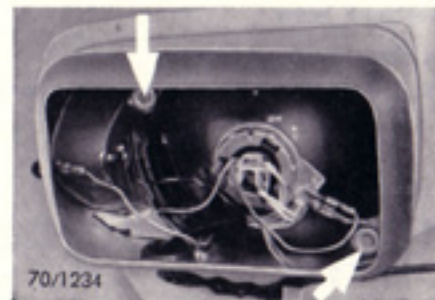


Fig. 65



Fig. 66

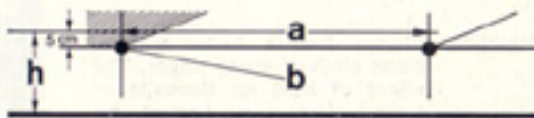


Fig. 67

- a = Distance betw. headlight centers: 96 cm or 38.58 in.
- b = Adjustment centers
- h = Distance betw. ground and headlight centers

Checking engine oil level

- Remove the oil dipstick **M** (Fig. 51).
- Wipe off the dipstick, replace it and take the oil level reading.
- We recommend adding oil as soon as the level is halfway between MIN and Max or less.
- Amount of oil between Min and Max — 1,5 liters or 2.6 Imp / 3.2 US pts.



Fig. 51

Adding engine oil (Fig. 52)

- Remove the oil filler neck cap by turning it to the left.
- Add oil until its level as at the MAX mark on the dipstick.
- Replace the oil filler neck cap by turning it to the right.

Approved oils are listed in the table on page 34.

Attention!

Allow the oil to return to its pan before checking the oil level.
The car must be on a level surface.

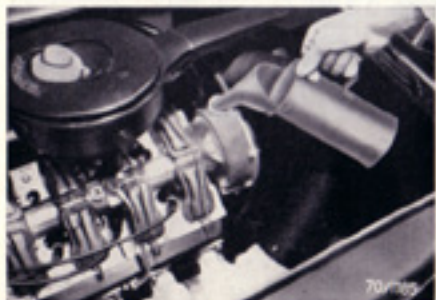


Fig. 52

The carburetor should be serviced by trained personnel if at all possible. A list of specified jets can be found on page 48. Cleanliness is very important should you decide to clean the carburetor or even one jet yourself. Foreign particles can plug up the jets and cause trouble.

The AUDI NSU mechanic has appropriate equipment to set the carburetor. It is only possible to make a specified setting with this equipment.

The transmission and differential fluid must be changed every 15.000 km or 9.000 miles. Refer to the table on page 34 for the amount and quality of oil.

- The transmission must be warm when changing fluid.
- Remove drain plug **a** (Fig. 55) – (one oil filling for gearshift and differential).
- Remove filler plug **b** (Figs. 55/56) from side of transmission case.
- Remove control screw **c** (Fig. 58) on the opposite side with a 14 mm wrench.
- After draining the oil, replace the drain plug **a** (Fig. 55) together with a new seal.
- Add transmission fluid.
- Install filler screw **b** (Fig. 56) with a new seal.
- Install control screw **c** (Fig. 58).



Fig. 55

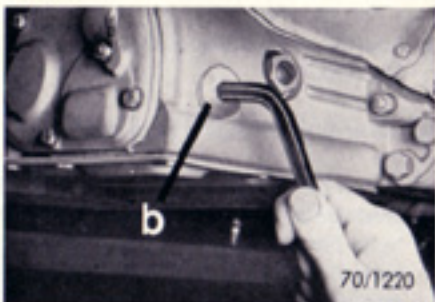


Fig. 56



Fig. 57

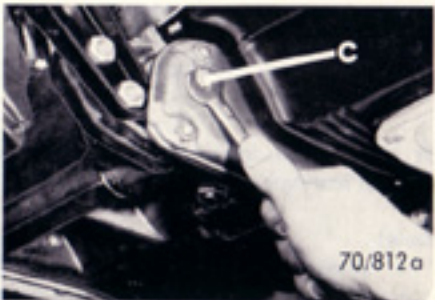


Fig. 58

Automatic transmission

- The transmission must be warm.
- Remove and clean drain plug **a** (Fig. 57).
- Remove oil filler screw **b** (Fig. 57) with built in oil temperature transmitter.
- After draining the oil, replace the drain plug **a** together with a new seal.
- Add transmission fluid (filler screw **b** in (Fig. 57).
- Install filler screw with a new seal.
- Check the transmission fluid level by means of control screw **c** (Fig. 58) on the right hand side of the differential cover.

Adding brake fluid

Attention!

Only use SAE J 1703 brake fluid! Brake fluid will dissolve the paint, so be careful when adding fluid.

Cleanliness can not be stressed enough, since dirt could lead to brake failure.

- Remove the cap **d** of the brake fluid container **b** (Fig. 59) by turning it to the left.
- Add brake fluid until its level is at MAX mark.
- Place the container cap in position and turn it to the right to the stop.

The brake fluid level should never be allowed to fall off the MIN mark. If the level falls, there is a leak in the braking system. In such a case visit the nearest authorized workshop.

Note!

We recommend **changing the brake fluid** of the complete system every **2 years**. Afterwards bleed the brakes in accordance with specifications.



Fig. 59

The **battery acid level** must be checked every 4 or 5 weeks. It is correct if it is approximately 1 cm or 0.39 in. above the plates. If not, add **distilled** water. Your AUDI NSU Dealer also has terminal grease on stock. Battery care is especially important during the winter season. This is the season of the year most wearing on the battery.

Checking battery acid level

- Switch off the ignition.
- Lift up the hat rack.
- Open and lift the cover with a screwdriver (Fig. 62).

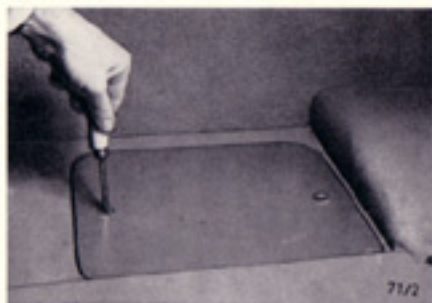


Fig. 62

- Remove battery caps by turning them to the left.
- Check acid level. It should be approx. 1 cm or 0.39 in above the plates. Level should not be higher!
- Add distilled water as necessary (Fig. 63).

Attention! Do not use an open flame to check the acid level. Every battery develops a gas which is very explosive.



Fig. 63

The **air cleaner** is an oil bath filter, which must be cleaned during inspections. However, if you drive in particularly dusty regions, clean the filter more often. We recommend having this done at an AUDI NSU Dealer. He will not only clean the filter, but check it for damage too. If you prefer to do it yourself, pay attention to the following instructions.

- Open the engine compartment lid.
- Remove the winged nut and loosen the clamping screw (see arrows in Fig. 49).
- Remove the air cleaner cover by turning it somewhat.
- Remove the filter cartridge.
- Drain dirty oil and clean filter.
- Add oil until level is at mark.
- Clean the filter screen in the cover with gasoline.
- Reinstall the filter cartridge.



Fig. 49

The **belt** only drives the generator. Should it tear or break, the red warning light 19 (Fig. 7) comes on immediately.

Checking belt

- Remove the ignition key (safety measure).
- Open the engine compartment lid.
- Check condition of belt.
- Depress the belt with your thumb. With moderate pressure the belt should not give more than 5 mm or 0.19 in. (Fig. 50).

Adjusting belt tension

- Loosen generator holder **h** (Fig. 50).
- Swing the generator outward until the belt is tensioned correctly.
- Retighten the generator holder.

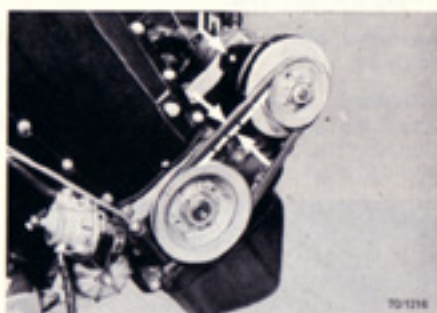


Fig. 50

| Designation | Capacity | |
|---------------------------------------|-----------------------------------|--|
| Engine oil | } 3.5 l or 7.4 US / 6.2 Imp. pts. | HD oil SAE 10 W/30 HD oil SAE 10 W/40 Multi-grade oils HD oil SAE 20 W/50 or in winter HD SAE 20, HD SAE 10, in summer HD SAE 30 |
| Initial filling Oil change | | |
| Transmission fluid | 1.75 l or 3.7 US / 3.0 Imp. pts. | Hypoid trans. fluid SAE 80 MIL - L - 2105 |
| Transmission fluid (Automatic) | | |
| Initial filling | 4 l or 8.5 US / 7.0 Imp. pts. | Hypoid trans fluid. SAE 80 MIL - L - 2105 |
| Oil change | 2 l or 4.2 US / 3.5 Imp. pts. | |
| Fuel | 44 l or 11.6 US / 9.7 Imp. gals. | regular grade |
| Fuel reserve (approx.) | 6 l or 1.5 US / 1.3 Imp. gals. | |
| Brake fluid | 435 cc | SAE J 1703 a |
| Oil bath air cleaner | 150 cc | Engine oil |
| Windshield washer | 500 cc | Water mixed with AUDI NSU antifreeze and a cleaning solution (as specified) |

The engine oil must be changed every 7.500 km or 4660 miles or in accordance with the season of the year, even if the specified mileage has not been covered (if multi-grade oil is not being used).

- Drain the oil after removing oil drain plug **a** from the oil pan (10 mm socket head screw) — Fig. 53.
- Replace the oil drain plug with a new seal.
- Add oil — 3.5 liters or 6.2 Imp / 7.4 US pts. (Fig. 52).
- Let engine run at idle for a short time.
- Switch off the engine and check the oil level. Before doing so let the oil return to its pan. Place the car on a level surface. Refer to the table on page 34 for amount and quality of oil.

The oil filter must also be replaced every 7500 km or 4660 miles. When installing the filter cartridge, make sure that both seals in front of and behind the filter cartridge are positioned correctly.

- Unscrew capped nut **h** (Fig. 54) on the filter housing and remove the cover.
- Pull out the filter cartridge.
- Install a new cartridge together with new seals.
- Replace the cover together with a new seal and tighten the nut.

Note!

The engine should be warm for this operation. Be careful not to spill hot oil on your hands.



Fig. 53

Changing the engine oil of the NSU 1200 C Automatic

We recommend that the engine oil be changed more often than is prescribed in the Service Record, i. e. between inspections. This applies particularly to the summer months.

The engine oil temperature of automatic vehicles is higher than in the case of vehicles with manual transmission. This reduces the effective life of the oil.

The life of the engine will be increased if you also have the engine oil changed between inspections.



Fig. 54